

METHODS OF ENCAPSULATING CELLS

Abstract

Methods of treating and forming biocompatible microcapsules that contain living cells are provided, to improve the function of the microcapsules. In particular, methods of treating islet cells or microcapsules containing islet cells are provided. Culture of isolated islet cells prior to encapsulation, culture of encapsulated cells, and cryopreservation of islet cells prior to encapsulation, are described. Methods for harvesting viable islets that incorporates an anti-oxidant in the digestion medium are also disclosed.

TOP SECRET//SI//REL TO USA GOVT ONLY